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JUN 18 2004

PATENT APPLICATION
Docket No. 7678.804.1.2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re application of

Tianming Chen

Serial No.

10/715,003

Filed:

November 17, 2003

For:

BLEACHING DEVICES COMPRISING A BARRIER
LAYER AND A BLEACHING COMPOSITION
COMPRISING POLYVINYLPIRROLIDONE

Examiner:

Not yet assigned

Customer No.

022913

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

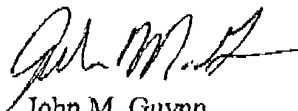
Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

Because each of the cited references is either a U.S. patent or a published U.S. application and/or was previously cited in a parent application relied upon for priority under 35 U.S.C. § 120, Applicant is not required to provide copies of any of the cited references.

DATED this 18th day of June 2004.

Respectfully submitted,



John M. Guynn
Attorney for Applicant(s)
Registration No. 36,153
Customer No. 022913

JMG:mla

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Applicant: Tianming Chen

Serial No.: 10/715,003

Att'y Docket No.: 7678.804.1.2

Filing Date: November 17, 2003

Group: 1614

For: BLEACHING DEVICES COMPRISING A BARRIER LAYER AND A
BLEACHING COMPOSITION COMPRISING
POLYVINYLPIRROLIDONE

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

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Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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POLYVINYLPYRROLIDONE

Att'y Docket No.: 7678.804.1.2

Group: 1614

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
___ 1	5,989,526	11/23/99	Aaslyng et al.
___ 2	6,503,485	01/07/03	Allred
___ 3	6,419,905	07/16/02	Alvarez Hernandez
___ 4	4,900,721	2/13/90	Bansemir
___ 5	5,945,032	08/31/99	Breitenbach et al.
___ 6	5,236,696	08/17/93	Catiis et al.
___ 7	5,256,328	10/26/93	Cavanagh et al.
___ 8	6,689,344	2/10/04	Chang et al.
___ 9	5,766,574	06/16/98	Christina-Beck et al.
___ 10	6,548,470	04/15/03	De Buzzaccarini et al.
___ 11	6,086,372	07/11/00	Diamond
___ 12	5,989,569	11/23/99	Dirksing et al.
___ 13	6,045,811	04/04/00	Dirksing et al.
___ 14	3,996,152	12/07/76	Edwards et al.

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Group: 1614

___ 15	6,193,958	02/27/01	Edwards et al.
___ 16	5,098,303	03/24/92	Fischer
___ 17	5,234,342	08/10/93	Fischer
___ 18	5,376,006	12/27/94	Fischer
___ 19	5,409,631	04/25/95	Fischer
___ 20	5,685,712	11/11/97	Fischer
___ 21	5,692,900	12/02/97	Fischer
___ 22	5,722,833	03/03/98	Fischer et al.
___ 23	5,725,843	03/10/98	Fischer
___ 24	5,746,598	05/10/98	Fischer
___ 25	5,759,037	06/02/98	Fischer
___ 26	5,759,038	06/02/98	Fischer
___ 27	5,770,105	06/23/98	Fischer
___ 28	5,770,182	06/23/98	Fischer
___ 29	5,846,058	12/08/98	Fischer
___ 30	5,851,512	12/22/98	Fischer
___ 31	5,855,870	01/05/99	Fischer
___ 32	5,851,512	12/22/98	Fischer
___ 33	5,855,870	01/05/99	Fischer

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___ 34	5,944,698	08/31/99	Fischer et al.
___ 35	5,985,249	11/16/99	Fischer
___ 36	6,010,683	01/04/00	Fischer
___ 37	6,036,943	03/14/00	Fischer
___ 38	6,086,855	07/00	Fischer
___ 39	6,183,251	02/01	Fischer
___ 40	5,575,654	11/19/96	Fontenot
___ 41	5,759,598	06/02/98	Gaier
___ 42	6,545,174	04/08/03	Habeck et al.
___ 43	5,760,102	06/02/98	Hall et al.
___ 44	5,599,525	02/04/97	Hsu et al.
___ 45	5,785,527	07/28/98	Jensen et al.
___ 46	5,858,332	01/12/99	Jensen et al.
___ 47	6,306,370	10/23/01	Jensen et al.
___ 48	6,309,625	10/30/01	Jensen et al.
___ 49	6,312,671	11/06/01	Jensen et al.
___ 50	6,322,774	11/27/01	Jensen et al.
___ 51	6,368,576	04/09/02	Jensen et al.
___ 52	6,387,353	05/14/02	Jensen et al.

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___ 53	6,409,993	06/25/02	Jensen et al.
___ 54	3,499,844	03/10/70	Kibbel et al.
___ 55	6,682,721	01/27/04	Kim et al.
___ 56	5,000,942	03/19/91	Libin
___ 57	5,183,901	02/02/93	Login et al.
___ 58	5,206,385	08/27/93	Login et al.
___ 59	5,785,957	07/28/98	Losee et al.
___ 60	6,149,211	11/21/00	Losee et al.
___ 61	5,573,399	11/12/96	McClintock, II
___ 62	6,108,850	08/29/00	McLaughlin
___ 63	5,008,093	04/16/91	Merianos
___ 64	5,008,106	04/16/91	Merianos et al.
___ 65	5,108,742	04/28/94	Merianos
___ 66	5,130,124	07/14/92	Merianos et al.
___ 67	5,922,307	07/13/99	Montgomery
___ 68	5,994,528	08/31/99	Montgomery
___ 69	6,162,055	12/19/00	Montgomery et al.
___ 70	6,221,341	04/24/01	Montgomery
___ 71	RE34,196	03/16/93	Munro

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Att'y Docket No.: 7678.804.1.2
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___ 72	5,122,365	06/16/92	Murayama
___ 73	5,401,495	03/28/95	Murayama
___ 74	6,116,900	09/12/00	Ostler
___ 75	5,928,628	07/27/99	Pellico
___ 76	4,775,525	10/04/88	Pera
___ 77	6,080,397	06/27/00	Pfirmann
___ 78	5,698,182	12/16/97	Prencipe et al.
___ 79	5,736,158	04/07/98	Quast
___ 80	3,657,413	04/18/72	Rosenthal
___ 81	5,879,691	03/09/99	Sagel et al.
___ 82	5,891,453	04/06/99	Sagel et al.
___ 83	5,894,017	04/13/99	Sagel et al.
___ 84	6,096,328	08/01/00	Sagel et al.
___ 85	6,136,297	10/24/00	Sagel et al.
___ 86	6,551,579	04/22/03	Sagel et al.
___ 87	6,089,869	07/18/00	Schwartz
___ 88	6,545,147	04/08/03	Seebach et al.
___ 89	6,036,493	03/14/00	Sharma
___ 90	5,766,011	06/16/98	Sibner

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___ 91	5,571,501	11/05/96	Toy
___ 92	5,747,008	05/05/98	Wason et al.
___ 93	6,545,283	04/08/03	Williams et al.
___ 94	4,983,380	01/08/91	Yarborough
___ 95	5,009,885	04/23/91	Yarborough
___ 96	5,645,428	07/08/97	Yarborough
___ 97	5,713,738	02/03/98	Yarborough
___ 98			

Foreign Patent Documents

Examiner Initial*	Document Number	Publication Date	Country or Patent Office
___ 99	WO 99/12517	03/18/99	PCT
___ 100	WO 00/54699	03/2000	

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BLEACHING COMPOSITION COMPRISING
POLYVINYLPIRROLIDONE

Other Documents

(including author, title, pertinent pages, etc.)

Examiner

Initial*

- _____ 101 Dentistry Today Buyers' Guide to Whitening Systems, Par5126B0B2133, Doc 1997
- _____ 102 Bitter, Norman C., "A scanning electron microscope study of the long-term effect of bleaching agents on the enamel surface in vivo", General Dentistry (Jan./Feb. 1998), pp. 84-88
- _____ 103 Shannon, Heather et al., "Characterization of enamel exposed to 10% carbamide peroxide bleaching agents", Quintessence International (Vol 24, No. 1, 1993), pp. 39-44
- _____ 104 Perdigao, Jorge et al., "Ultra-morphological study of the interaction of dental adhesives with carbamide peroxide-bleached enamel", American Journal of Dentistry (vol. 11, No. 6, Dec. 1998), pp. 291-301
- _____ 105 Pinheirojunior, Elilton Cavalcante et al., "In Vitro Action of Various Carbamide Peroxide Gel Bleaching Agents on the Microhardness of Human Enamel", Braz. Dent. J. (1996) 7(2): 75-79
- _____ 106 "Buyers' Guide to Whitening System", Dentistry Today (Dec. 2000), pp. 90, 92, 94, 96, 98, 100, 101 & 102.
- _____ 107 Denmat Website (<http://www.denmat.com>), "Professional Tooth Whitening Systems" (2 pages, Jan., 2001)
- _____ 108 Discus Dental Website (<http://www.discusdental.com>), "Whitening" (7 pages, Jan. 2001)
- _____ 109 Ultradent Website (<http://www.ultradent.com>), "Materials & Procedures Manual - Tooth Whitening" (9 pages, Jan. 2001)
- _____ 110 US 2003/0082114, U.S. Patent Application Publication, Pub. Date May 1, 2003, Patches for Teeth Whitening, Kim et al.

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